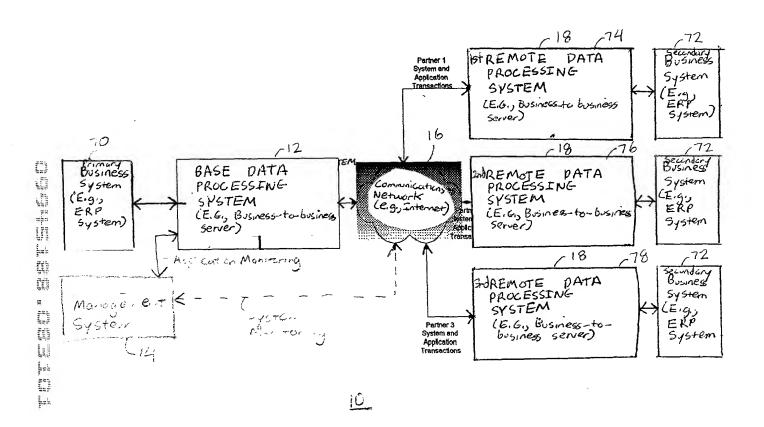
FIG.1



70 BASE DATA PROCESSING SYSTEM (EG., BUSINESS-TO-BUSINESS SERVER) COMMUNICATIONS NETWORK LE. G., INTERNET) RASE STATUS PROCESSOR (16 26 DEVICE - 62 REMOTE PERFORMANCE COMMUNICATIONS DIFERFACE T18 MGNICATIONS SECONDARY -14 -72 BUSINESS SYSTEM 10 USER INTERFACE PRESENTATION MODULE 44 DATA MANAGER MANAGEMENT SYSTEM STORAGE DEVICE -32 REFERENCE PARAMETERS Storage RECEIVED PARAMETERS FIG.2 Starage 50 REVISION Storage

Patent Application for: REMOTELY MANAGING A DATA PROCESSING SYSTEM VIA A COMMUNICATIONS NETWORK Inventor: Cornelius et al. Docket No.10022/54

## FIG. 3

COMMUNICATE WITH ONE OR MORE REMOTE DATA PROCESSING SYSTEMS (E.G., REMOTE BUSINESS-TO-BUSINESS SERVERS) ASSOCIATED WITH TRADING PARTNERS ON AT LEAST ONE TECHNICAL PARAMETER OF EACH RESPECTIVE DATA PROCESSING SYSTEM.

RECEIVE A REPORT MESSAGE ON THE AT LEAST ONE TECHNICAL PARAMETER VIA A COMMUNICATIONS NETWORK.

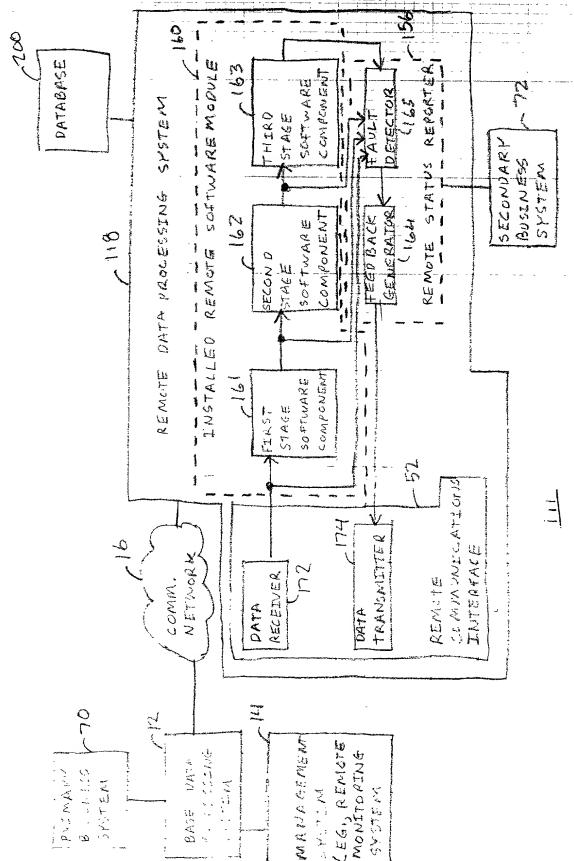
INTERPRET OR PROCESS THE REPORT MESSAGE FOR PRESENTATION ON A USER INTERFACE.

PRESENT THE REPORT MESSAGE OR ANOTHER PRESENTATION, DERIVED THEREFROM, ON THE USER INTERFACE FOR REVIEW.

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1,003.00 1/31/2001, 10:30:00 PM 1/31/2001, 10:45:00 PM				e:	6 \$	*	
1,003,00 1/31/2001, 10:30:00 PIM 1/31/2001, 10:43:00 IM	•			MU 00.00.00 x 00.00 x 0.00	4/24/2004 40.45.00 DM	DATA COR	RUPT
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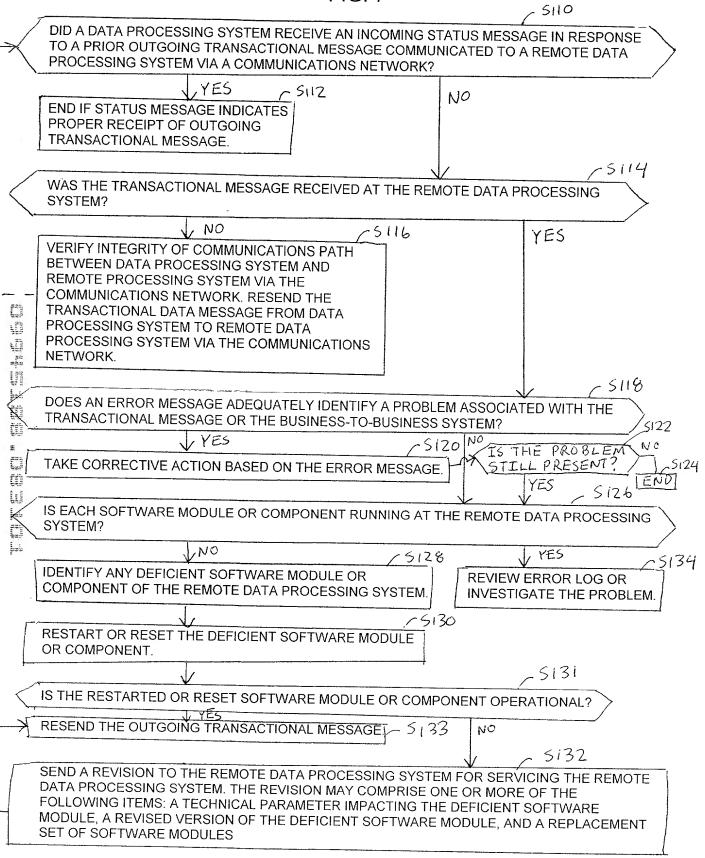
10.01

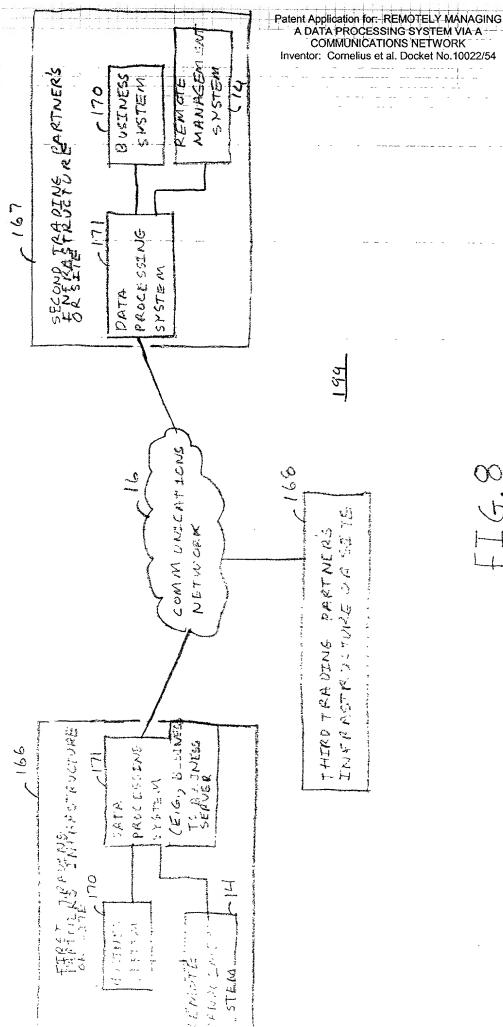
Patent Application for: REMOTELY MANAGING A DATA PROCESSING SYSTEM VIA A COMMUNICATIONS NETWORK Inventor: Cornelius et al. Docket No.10022/54 

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FIG. 7





Patent Application for: REMOTELY MANAGING A DATA PROCESSING SYSTEM VIA A COMMUNICATIONS NETWORK Inventor: Cornelius et al. Docket No.10022/54

10022-21

## FIG. 9

520 COMMUNICATE WITH REMOTE DATA PROCESSING SYSTEMS (E.G., REMOTE BUSINESS-TO-BUSINESS SERVERS) ASSOCIATED WITH TRADING PARTNERS ON AT LEAST ONE TECHNICAL PARAMETER CONCERNING SOFTWARE, HARDWARE, OR BOTH OF EACH RESPECTIVE REMOTE DATA PROCESSING SYSTEM. - 522 RECEIVE A REPORT MESSAGE ON THE AT LEAST ONE TECHNICAL PARAMETER VIA A COMMUNICATIONS NETWORK. 524 RETRIEVE REFERENCE TECHNICAL PARAMETER DATA ON HARDWARE AND SOFTWARE FROM A REFERENCE PARAMETERS DATABASE. DOES THE RECEIVED TECHNICAL PARAMETER YES From DATA OF THE APPLICABLE (E.G., NEXT) DATA Step Silb PROCESSING SYSTEM COMPLY WITH OR MATCH THE REFERENCE TECHNICAL PARAMETER DATA? .528 526 NO HAVE ALL OF THE REMOTE DATA PROCESSING NO SYSTEMS IN A DEFINED GROUP (E.G., TRADING GROUP) BEEN CHECKED FOR COMPLIANCE WITH Ž. THE REFERENCE TECHNICAL PARAMETER DATA? M VES 530 END. 4 532 ARE THE SAME TYPES OF SOFTWARE MODULES SPECIFIED IN THE REFERENCE TECHNICAL YES PARAMETER DATA AND IN THE RECEIVED TECHNICAL PARAMETER DATA FOR THE APPLICABLE DATA PROCESSING SYSTEM? NO -534 ALLOCATE OR SEND A NEW SOFTWARE MODULE (E.G., AN UPGRADE OF A REMOTE SOFTWARE MODULE) TO THE APPLICABLE REMOTE DATA PROCESSING SYSTEM. -536 ARE THE SAME VERSIONS OF THE SOFTWARE MODULES SPECIFIED IN THE REFERENCE YES TECHNICAL PARAMETER DATA AND IN THE RECEIVED TECHNICAL PARAMETER DATA FOR THE APPLICABLE DATA PROCESSING SYSTEM? ToStep 7 540 NO ALLOCATE OR SEND A DESIRED VERSION (E.G., LATEST VERSION) OF THE SOFTWARE TO THE APPLICABLE REMOTE DATA PROCESSING SYSTEM CONSISTENT WITH A VERSION OF SOFTWARE OF THE PRIMARY TRADING PARTNER. C538

Patent Application for: REMOTELY MANAGING A DATA PROCESSING SYSTEM VIA A COMMUNICATIONS NETWORK Inventor: Comelius et al. Docket No.10022/54 10027-54

NO

From Step S360r S36

FIG.

10

IS A HARDWARE UPGRADE OR ADDITIONAL HARDWARE REQUIRED TO SUPPORT THE PLANNED INSTALLATION OF THE NEW SOFTWARE MODULE OR THE DESIRED VERSION?

540

YES

342

GENERATE AN ALERT MESSAGE FOR PRESENTATION ON A USER INTERFACE THAT A HARDWARE UPGRADE MAY BE REQUIRED FOR A REMOTE DATA PROCESSING SYSTEM. WAIT FOR THE REQUISITE HARDWARE UPGRADE TO BE COMPLETED.

REVISE THE SOFTWARE CONFIGURATION OF THE REMOTE DATA PROCESSING SYSTEM BASED ON THE RECEIPT OR AVAILABILITY OF THE DESIRED VERSION, THE NEW SOFTWARE MODULE, OR BOTH.

544

-546

CONFIRM REPLACEMENT OR REVISION BY CHECKING OPERATIONAL STATUS OF THE REVISED REMOTE DATA PROCESSING SYSTEM VIA A DIRECT REQUEST THROUGH THE COMMUNICATIONS NETWORK OR INCIDENTAL TO A POLLING PROCEDURE FOR MONITORING OPERATIONAL STATUS.

Return to step 528

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FIG.

-518 REVISE A TECHNICAL PARAMETERS DATABASE SUCH THAT A REFERENCE CONFIGURATION REFLECTS A NEW FEATURE FOR INSTALLATION AT ONE OR MORE DATA PROCESSING SYSTEMS. 520 COMMUNICATE WITH REMOTE DATA PROCESSING SYSTEMS (E.G., REMOTE BUSINESS-TO-BUSINESS SERVERS) ASSOCIATED WITH TRADING PARTNERS ON AT LEAST ONE TECHNICAL PARAMETER CONCERNING SOFTWARE, HARDWARE, OR BOTH OF EACH RESPECTIVE REMOTE DATA PROCESSING SYSTEM. -522 RECEIVE A REPORT MESSAGE ON THE AT LEAST ONE TECHNICAL PARAMETER VIA A COMMUNICATIONS NETWORK. - SZ4 RETRIEVE REFERENCE TECHNICAL PARAMETER DATA ON HARDWARE AND SOFTWARE FROM A REFERENCE PARAMETERS DATABASE. ALI LI DOES THE RECEIVED TECHNICAL PARAMETER YES From DATA OF THE APPLICABLE (E.G., NEXT) DATA Step 546 PROCESSING SYSTEM COMPLY WITH OR MATCH THE REFERENCE TECHNICAL PARAMETER DATA? 4.4 528 526 NO HAVE ALL OF THE REMOTE DATA PROCESSING NO SYSTEMS IN A DEFINED GROUP (E.G., TRADING M GROUP) BEEN CHECKED FOR COMPLIANCE WITH THE REFERENCE TECHNICAL PARAMETER DATA? VYES ~ S30 END. - 532 ARE THE SAME TYPES OF SOFTWARE MODULES SPECIFIED IN THE REFERENCE TECHNICAL YES PARAMETER DATA AND IN THE RECEIVED TECHNICAL PARAMETER DATA FOR THE APPLICABLE DATA PROCESSING SYSTEM? NO .534 ALLOCATE OR SEND A NEW SOFTWARE MODULE (E.G., AN UPGRADE OF A REMOTE SOFTWARE MODULE) TO THE APPLICABLE REMOTE DATA PROCESSING SYSTEM. -536 ARE THE SAME VERSIONS OF THE SOFTWARE MODULES SPECIFIED IN THE REFERENCE YES TECHNICAL PARAMETER DATA AND IN THE RECEIVED TECHNICAL PARAMETER DATA FOR THE APPLICABLE DATA PROCESSING SYSTEM? ToStep NO 540 ALLOCATE OR SEND A DESIRED VERSION (E.G., LATEST VERSION) OF THE SOFTWARE TO THE APPLICABLE REMOTE DATA PROCESSING SYSTEM CONSISTENT WITH A VERSION OF SOFTWARE OF THE PRIMARY TRADING PARTNER.

NO

From Step S360r S36

FIG. 12

IS A HARDWARE UPGRADE OR ADDITIONAL HARDWARE REQUIRED TO SUPPORT THE PLANNED INSTALLATION OF THE NEW SOFTWARE MODULE OR THE DESIRED VERSION?

540

YES

542

GENERATE AN ALERT MESSAGE FOR PRESENTATION ON A USER INTERFACE THAT A HARDWARE UPGRADE MAY BE REQUIRED FOR A REMOTE DATA PROCESSING SYSTEM. WAIT FOR THE REQUISITE HARDWARE UPGRADE TO BE COMPLETED.

REVISE THE SOFTWARE CONFIGURATION OF THE REMOTE DATA PROCESSING SYSTEM BASED ON THE RECEIPT OR AVAILABILITY OF THE DESIRED VERSION, THE NEW SOFTWARE MODULE, OR BOTH.

-544

-546

CONFIRM REPLACEMENT OR REVISION BY CHECKING OPERATIONAL STATUS OF THE REVISED REMOTE DATA PROCESSING SYSTEM VIA A DIRECT REQUEST THROUGH THE COMMUNICATIONS NETWORK OR INCIDENTAL TO A POLLING PROCEDURE FOR MONITORING OPERATIONAL STATUS.

Return to step 526

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## FIG. 13

